from https://tex.stackexchange.com/questions/9386/difference-between-right-of-and-right-of-in-pgf-tikz website.

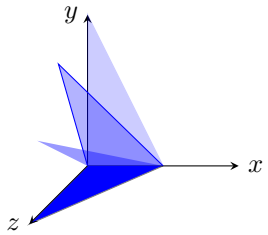
centre-to-centre placing while using `right of=` option in tikz

loooooooooooooooooooooooooooooooong **node b**

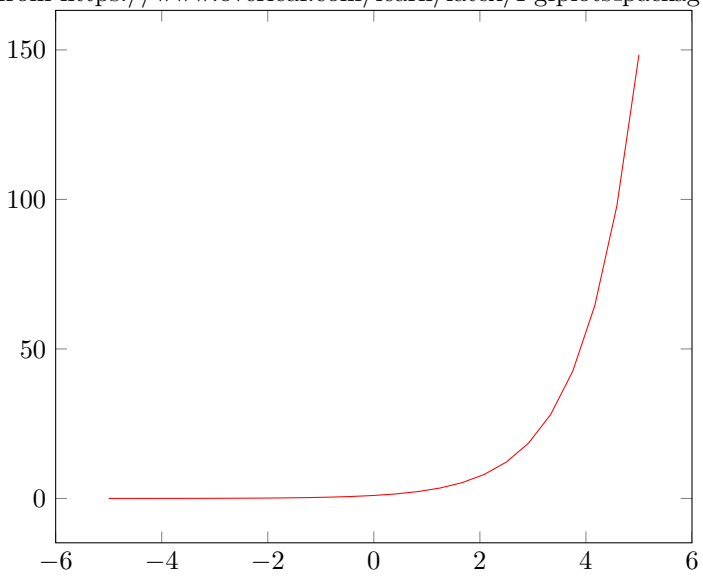
boundary-to-boundary placing while using `right=of` option in tikz

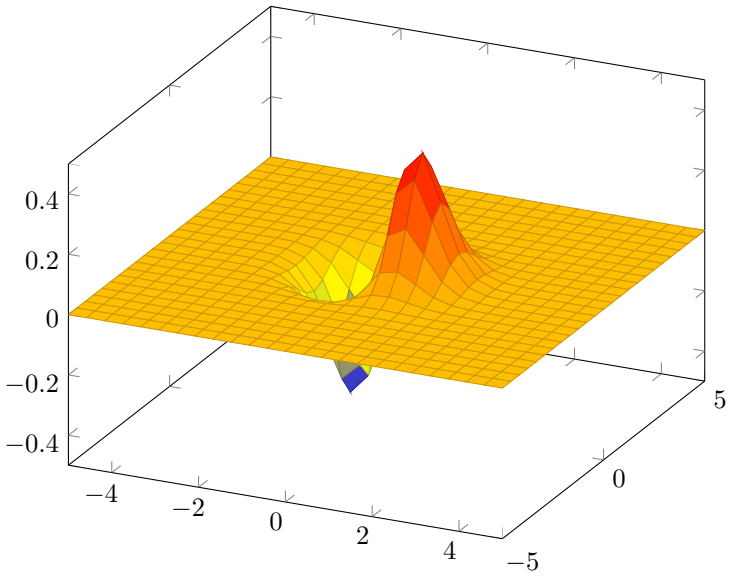
loooooooooooooooooooooooooooooooong **node b**

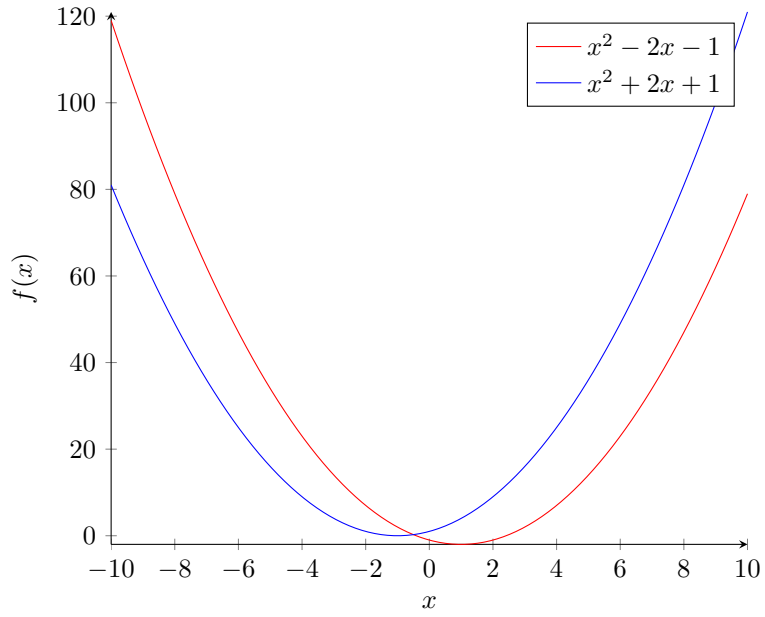
from https://tex.stackexchange.com/questions/354401/how-to-draw-a-vector-diagram-with-tikz-datavisualization

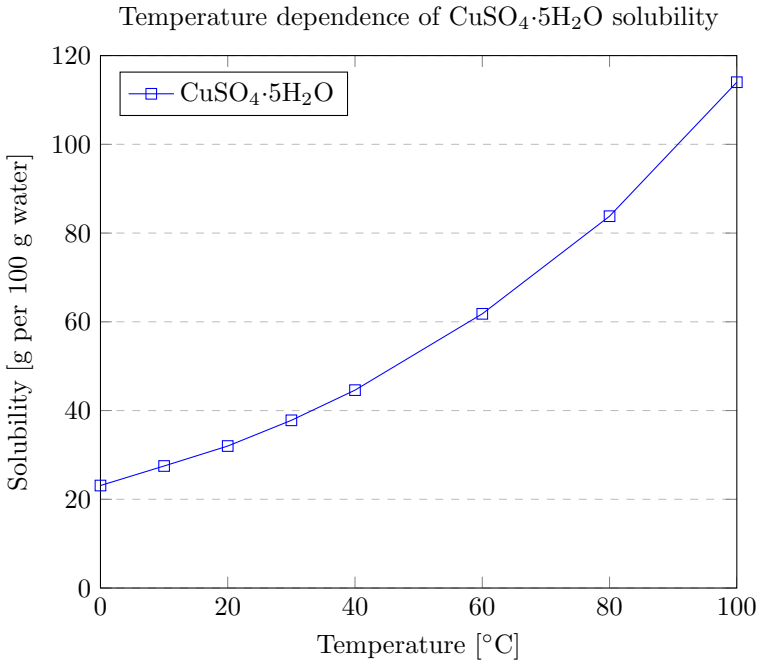


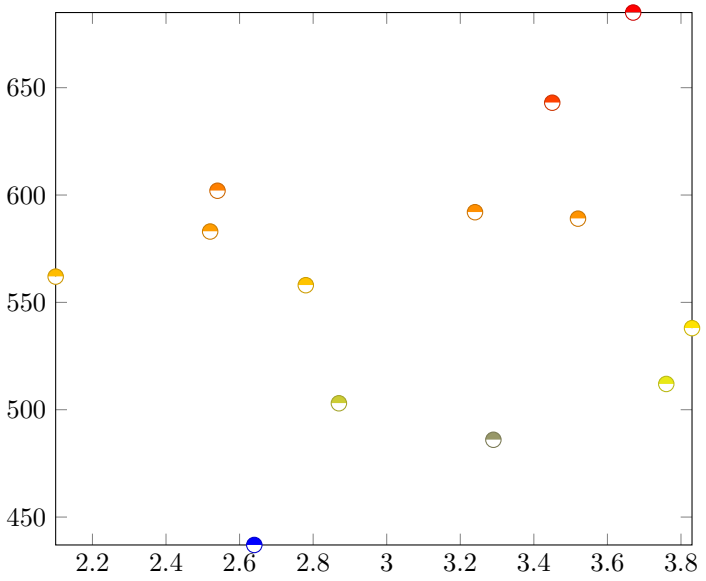
from https://www.overleaf.com/learn/latex/Pgfplots_package

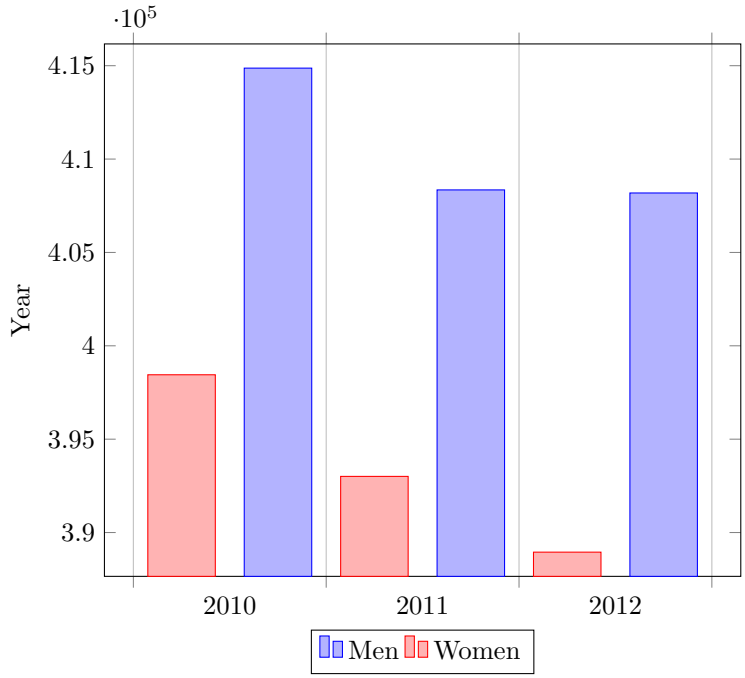



0.4
0.2
0
−0.2
−0.4
−4
−2
0
2
4
−5
0
5

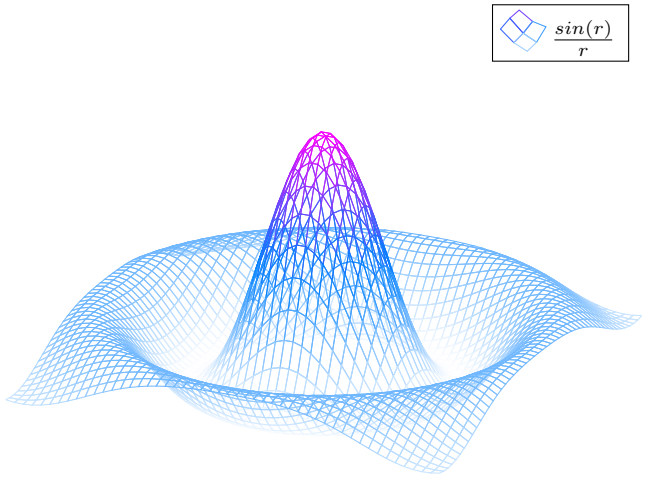

$x^2 - 2x - 1$
$x^2 + 2x + 1$
120
100
80
60
40
20
0
$f(x)$
−10
−8
−6
−4
−2
0
2
4
6
8
10
x


Temperature dependence of CuSO4·5H2O solubility
CuSO4·5H2O
Solubility [g per 100 g water]
Temperature [°C]
0
20
40
60
80
100
120

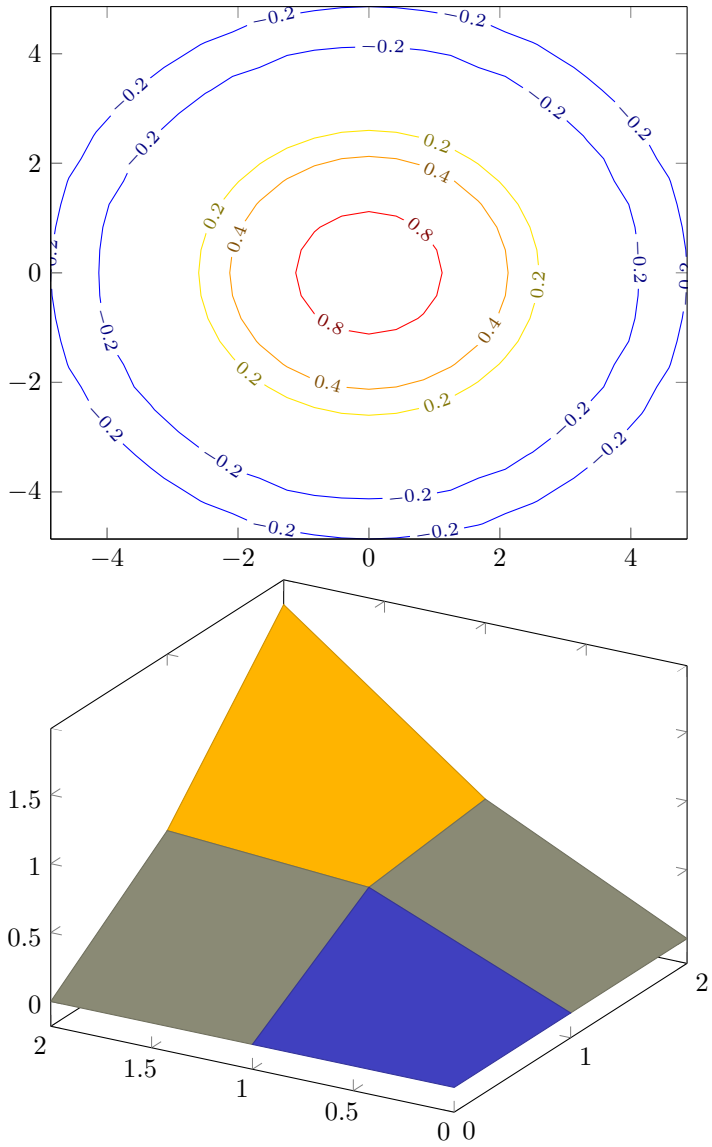

650
600
550
500
450
2.2
2.4
2.6
2.8
3
3.2
3.4
3.6
3.8

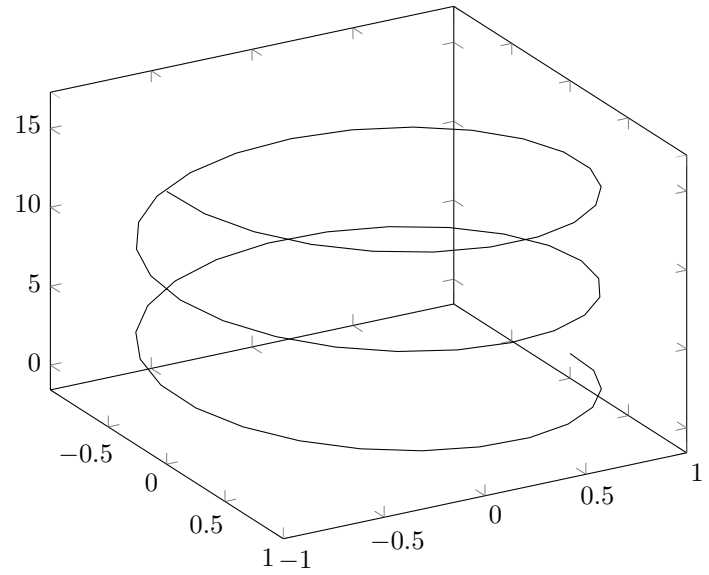


Example using the mesh parameter



Contour plot, view from top





from https://stackoverflow.com/questions/36386656/how-to-plot-in-latex-with-gnuplot

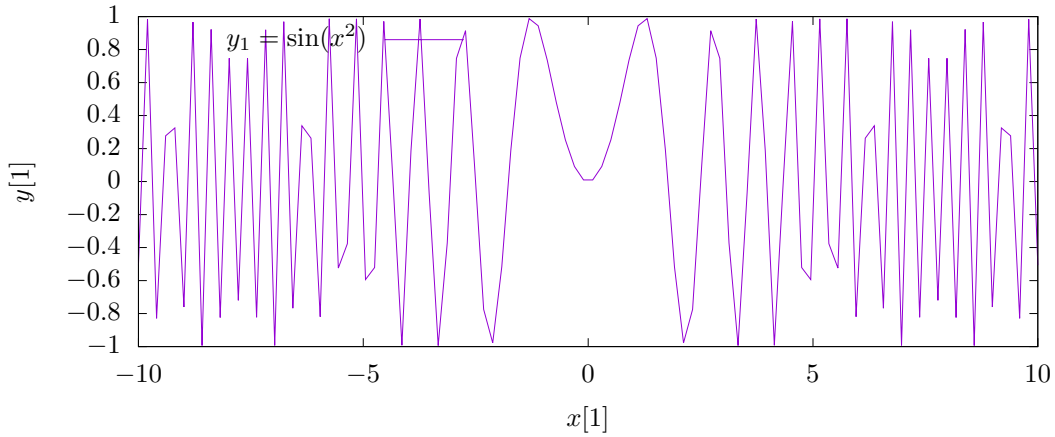


Figure 1: Plot